- 18. The method according to claim 4, wherein  $\mathbb{R}^1$  represents a benzyl group.
- 19. The method according to claim 4, wherein  $\mathbb{R}^2$  represents a methyl group or ethyl group, and  $\mathbb{R}^3$  represents a methyl group, ethyl group or phenyl group.
- 20. The method according to claim 4, wherein  $\mathbb{R}^1$  represents a benzyl group,  $\mathbb{R}^2$  represents a ethyl group, and  $\mathbb{R}^3$  represents a ethyl group.
- 21. A method of producing 1-(4-piperidylacetyl)-4
  hydroxypiperidine represented by the following

  formula (10):

comprising:

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de-aralkylating an N-aralkylpiperidine derivative of the following general formula (1):

$$R^1$$
—N OH (1)

wherein  $\mathbb{R}^1$  represents an aralkyl group which may have a substituent.

22. 1-(4-piperidylacetyl)-4-hydroxypiperidine 20 represented by the following formula (10):